

PUT TO THE TEST

PHOTON FIELD TEST 2011

REC was ranked first amongst leading brands in the first half of 2011 in the Photon Module Field Performance Test. The results show that customers receive 6 percent more power from an REC module than similar products from competing brands.

Using scientific methodology, the test helps consumers select the best module supplier based on product performance in the field. The test results underpin the bankability of REC modules as additional output allows the consumer to more quickly see a return on their investment.

REC modules have held a leading position in the Photon Test over the last eighteen months. REC modules finished second overall in Photon's 2010 12-month field test of 30 other leading module brands. The energy yield of REC modules was 6.1% higher than the group average and 13.7% than the worst performing module. REC modules recorded the top performance in the group during five individual months.



ABOUT THE TEST

The test conducted by the independent laboratory of the leading industry magazine Photon, is currently the most recognized yield performance test comparing international module brands over several years.

Since 2005, Photon Lab has operated an ongoing test that monitors the energy yield of solar modules from leading manufacturers. This test compares the energy produced per kilowatt of installed power of the participating modules, under identical conditions.



REC Module Tuas Singapore

The tests are carried out at a facility in Aachen, Germany, where they are mounted outdoors well above ground for good rear ventilation, facing south, and free of shadowing . Photon's custom testing setup records the currentvoltage (IV) curve at the module's output eliminating the possibility of false inverter adjustments. The test module's yield is fed into the grid via an inverter allowing the modules to operate under real-world conditions. Solar irradiation is recorded along with weather context data such as ambient temperature, wind speed, precipitation and barometric pressure. All the test data is collected in one second intervals and stored in synchronized databases that allow for precise correlation.





About REC

REC is a leading vertically integrated player in the solar energy industry. Ranked among the world's largest producers of polysilicon and wafers for solar applications and a rapidly growing manufacturer of solar cells and modules, REC also engages in project development activities in selected PV segments. Founded in Norway in 1996, REC is an international solar company, employing more than 3,900 people worldwide with revenues close to NOK 14 billion in 2010. Please visit www.recgroup.com to learn more about REC.